



PTO/SB/21 (09-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/825007-Conf. #7251
		Filing Date	April 15, 2004
		First Named Inventor	Ryan J. BERG
		Art Unit	2192
		Examiner Name	E. B. Kiss
Total Number of Pages in This Submission	5	Attorney Docket Number	286685.124US1

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Return Receipt Postcard PTO/SB08 14 References
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WILMER CUTLER PICKERING HALE AND DORR LLP		
Signature			
Printed name	Sarah L. Byrne		
Date	February 10, 2006	Reg. No.	40,545

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: February 10, 2006

Signature:

(Stephanie R. Douglas)



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PTO/SB/17 (12-04v2)  
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<b>Effective on 12/08/2004.</b> <b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b>		<b>Complete if Known</b>	
<b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		Application Number	10/825007-Conf. #7251
		Filing Date	April 15, 2004
		First Named Inventor	Ryan J. BERG
		Examiner Name	E. B. Kiss
		Art Unit	2192
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	286685.124US1
<b>TOTAL AMOUNT OF PAYMENT</b>		<b>(\$)</b>	<b>180.00</b>

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: <u>08-0219</u>
Deposit Account Name: <u>Wilmer Cutler Pickering Hale and Dorr LLP</u>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, <b>except for the filing fee</b>
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

<b>FEE CALCULATION</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
		<b>Small Entity</b>		<b>Small Entity</b>		<b>Small Entity</b>	
<b>Application Type</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
<b>2. EXCESS CLAIM FEES</b>							
<b>Fee Description</b>						<b>Small Entity</b>	
						<b>Fee (\$)</b>	<b>Fee (\$)</b>
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>			
	- 20 =	x	=	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>		
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>				
	- 3 =	x	=				
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
	- 100 =	/50	(round up to a whole number) x	=			
<b>4. OTHER FEE(S)</b>							
Non-English Specification, \$130 fee (no small entity discount)						<b>Fees Paid (\$)</b>	
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement						<b>180.00</b>	

<b>SUBMITTED BY</b>			
Signature	<u>Sarah L. Byrne</u>	Registration No. (Attorney/Agent)	40,545
Name (Print/Type)	Sarah L. Byrne	Telephone	(617) 526-6000
		Date	February 10, 2006

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Dated: February 10, 2006	Signature: <u>Stephanie R. Douglas</u> (Stephanie R. Douglas)



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Dated: February 10, 2006

Signature: *Stephanie R. Douglas*

(Stephanie R. Douglas)

*IFW \$*  
Docket No.: 286685.124US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Ryan J. BERG et al.

Application No.: 10/825007

Confirmation No.: 7251

Filed: April 15, 2004

Art Unit: 2192

For: METHOD AND SYSTEM FOR DETECTING  
VULNERABILITIES IN SOURCE CODE

Examiner: E. B. Kiss

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Dear Sir:

This Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits and before the mailing date of a final Office Action or a Notice of Allowance.

Please charge the \$180.00 fee to our Deposit Account No. 08-0219.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated: February 10, 2006

Respectfully submitted,

02/14/2006 AWONDAF1 00000077 080219 10825007

01 FC:1806 180.00 DA

By *Sarah L. Byrne*

Sarah L. Byrne

Registration No.: 40,545

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Attorney for Applicant



PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/825007-Conf. #7251		
		Filing Date	April 15, 2004		
		First Named Inventor	Ryan J. BERG		
		Art Unit	2192		
		Examiner Name	E. B. Kiss		
Sheet	1	of	2	Attorney Docket Number	0286685.00124US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	ASHCRAFT, et al., "Using Programmer-Written Compiler Extensions to Catch Security Holes", IEEE Symposium on Security and Privacy, Oakland, CA, May 2002	
	CB	BUSH, et al., "A Static Analyzer for Finding Dynamic Programming Errors", Software - Practice and Experience, Vol. 30, No. 7, 2000	
	CC	DOR, et al., "Cleanness Checking of String Manipulations in C Programs via Integer Analysis", 8th International Symposium on Static Analysis (SAS), pp. 194-212, July 2001	
	CD	DOR, et al., "CSSV: Towards a Realistic Tool for Statically Detecting All Buffer Overflows in C", PLDI '03, June 9-11, 2003, San Diego, California	
	CE	FOSTER, et al., "A Theory of Type Qualifiers", Programming Language Design and Implementation (PLDI'99), pp. 192-203, Atlanta, GA, May 1999	
	CF	GANAPATHY, et al., "Buffer Overrun Detection Using Linear Programming and Static Analysis", CCS '03, October 27-30, 2003, Washington, DC	
	CG	HAUGH, et al., "Testing C Programs for Buffer Overflow Vulnerabilities", Proceedings of the 2003 Symposium on Networked and Distributed System Security (SNDSS 2003), February 2003	
	CH	LARUS, et al., "Righting Software", IEEE Software, May/June 2004, pp. 92-100	
	CI	LHEE, et al., "Type-Assisted Dynamic Buffer Overflow Detection", 11th USENIX Security Symposium, pp. 81-88, August 2002	
	CJ	SIMON, et al., "Analyzing String Buffers in C", International Conference on Algebraic Methodology and Software Technology, Vol. 2422 of Lecture Notes in Computer Science (H. Krichner and C. Ringeissen, Eds.) (Springer), pp. 365-379, September 2002	
	CK	RUGINA, et al., "Symbolic Bounds Analysis of Pointers, Array Indices, and Accessed Memory Regions", ACM Transactions of Programming Languages and Systems, Vol. 27, No. 2, pp., 185-234, 2005	
	CL	SHANKAR, et al., "Detecting Format String Vulnerabilities with Type Qualifiers", Proceedings of the 10th USENIX Security Symposium, Washington, DC, August 2001 (Date appearing on first page of the document is May 11, 2001)	

Examiner Signature		Date Considered	
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5512144

US1DOCS 5512144v1

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				Application Number	10/825007-Conf. #7251
				Filing Date	April 15, 2004
				First Named Inventor	Ryan J. BERG
				Art Unit	2192
				Examiner Name	E. B. Kiss
				Attorney Docket Number	0286685.00124US1
Sheet	2	of	2		

	CM	XIE, et al., "ARCHER: Using Symbolic, Path-sensitive Analysis to Detect Memory Access Errors", ESEC/FSE '03, September 1-5, 2003, Helsinki, Finland	
	CN	XU, et al., "An Efficient and Backwards-Compatible Transformation to Ensure Memory Safety of C Programs", SIGSOFT '04/FSE-12, October 31-November 6, 2004, Newport Beach, CA	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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